

## SYSTEM AND METHOD FOR DETECTING TERMINATION OF AN APPLICATION INSTANCE USING LOCKS

### Abstract

5 A system and method for detecting termination of an application, such as a  
database instance, that uses locks is described. A holding child process is started  
from a parent process. The holding child process connects to a monitored  
application instance, acquires an exclusive lock on the monitored application  
instance and returns a ready signal upon successfully acquiring the exclusive lock.  
A waiting child process is started from the parent process subsequent to the  
10 holding child process. The holding child process connects to the monitored  
application instance, blocks on the exclusive lock on the monitored application  
instance and returns a result signal upon at least one of acquiring the exclusive  
lock and clearing the block on the exclusive lock. The return signal is processed  
at the parent process. Using locks provides immediate detection that the  
15 application has terminated. Methods for blocking against the application are also  
described.